

Appl. No. 08/936,338
Amdt. Dated 03/14/2005
Reply to Office Action of December 14, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (Cancelled)

4. (Currently Amended) ~~A The method of claim 3 further comprises comprising:~~
receiving a media input stream;

saving data corresponding to the media input stream in a buffer continuously during a
time interval;

selecting portions of the buffer for storage in a media file on a mass storage device
responsive to a punch in signal and a punch out signal, the media file comprises a first record
handle before a punch in point, a second record handle between a punch out point and the end of
the media file, and a record interval between the punch in point and the punch out point;

editing an event list for an audio track by inserting an event corresponding to the media
file; and

adjusting an offset and a length of the event to include a portion of at least one record
handle.

5. (Original) The method of claim 4 wherein in the first record handle is
approximately one second of audio data preceding the punch in signal and the second record
handle is approximately one second of audio data following the punch out signal.

6. (Currently Amended) The method of claim ~~4~~ further comprising allocating a
portion of the buffer to each of a plurality of input channels wherein a plurality of media input
streams source data to the plurality of input channels.

7. (Currently Amended) The method of claim ~~4~~ wherein selecting comprises:
tagging a buffer block filled preceding the punch in signal with a storage tag;

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tagging all buffer blocks between the punch in signal and punch out signal with a storage tag; and

tagging a buffer block filled following the punch out signal with a storage tag.

8. (Previously Presented) The method of claim 7 further comprising:
checking a buffer block for a storage tag prior to reallocating the buffer block to be overwritten;

storing all contiguous buffer blocks containing a storage tag in the mass storage device as the media file; and

reallocating the buffer block to be overwritten if no storage tag exists or after the data has been stored to the media file if a storage tag exists.

9. (Cancelled).

10. (Currently Amended) The system of claim 139 further comprises a host processor for controlling the storage of data from the buffer to the mass storage device.

11. (Cancelled).

12. (Currently Amended) The system of claim 1311 wherein responsive to a punch in signal a data block earlier in time than the punch in signal is tagged for storage to the mass storage device.

13. (Currently Amended) ~~A The system of claim 11 wherein comprising:~~
a signal processor adapted to process a media input stream;
a buffer coupled to the signal processor, the buffer adapted to continuously load data corresponding to the media input stream; and
a mass storage device coupled to the buffer, the mass storage device adapted to store a media file derived from the media input stream comprising media samples preceding a punch in signal, media samples following a punch out signal, and a plurality of media samples between the punch in signal and the punch out signal,

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wherein the buffer is both loaded and unloaded in a first in first out (FIFO) manner such that, once the buffer is full, an oldest block of data in the buffer will be reallocated to be overwritten on a next load, and

wherein if the oldest block of data is tagged for storage, the oldest block will be stored to the mass storage device before being reallocated.

14. (Original) The system of claim 13 wherein any block containing data from one second before punch in until one second after punch out is tagged for storage in a single media file on the mass storage device.

15. (Currently Amended) The system of claim 13 wherein the buffer is a random access memory (RAM).

16. (Original) The system of claim 15 wherein the input stream comprises up to sixteen channels and the RAM is logically allocated amongst the channels.

17. (Currently Amended) A The method of claim 1, wherein comprising:
receiving a media input stream;
saving data corresponding to the media input stream in a buffer continuously during a
time interval; and
selecting portions of the buffer for storage in a media file on a mass storage device
responsive to a punch in signal and a punch out signal, the media file comprises a first record
handle before a punch in point, a second record handle between a punch out point and the end of
the media file, a record interval between the punch in point and the punch out point, and extra
input stream data before the punch in signal and after the punch out signal contained in the media
file are accessible by manipulating a pointer to allow selective shifting of effective punch in and
punch out points of the media file.

18. (Currently Amended) The method of claim 17, wherein the time interval, during which the data corresponding to the media input stream is continuously saved in the buffer, starts and terminates independently of the punch in signal and the punch out signal.